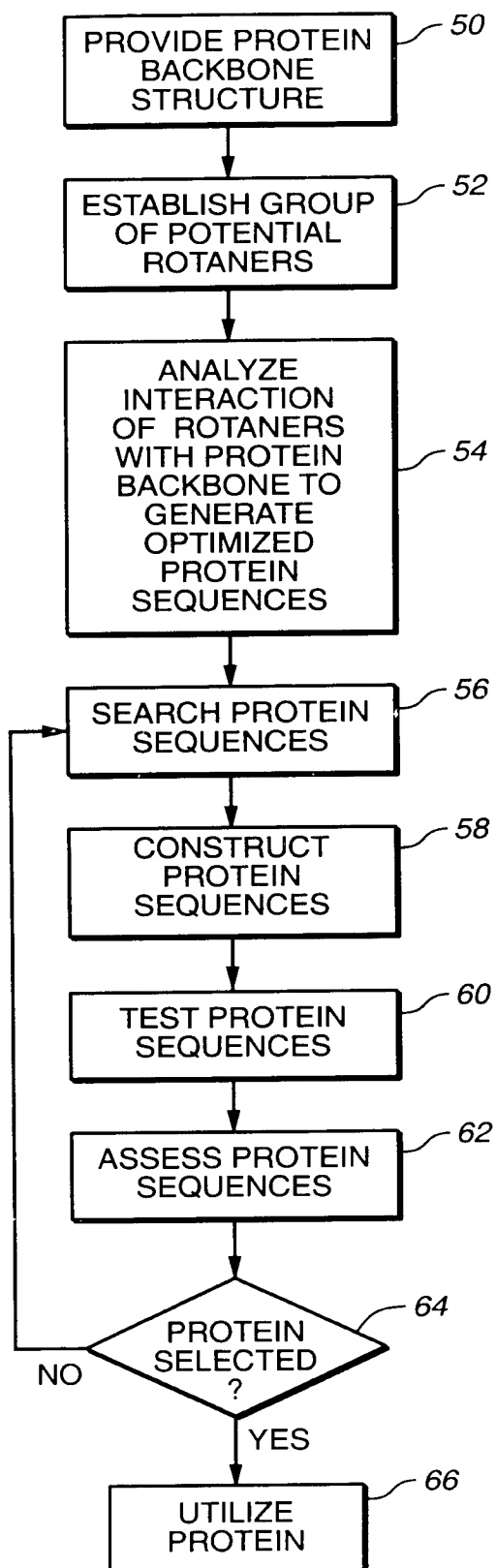
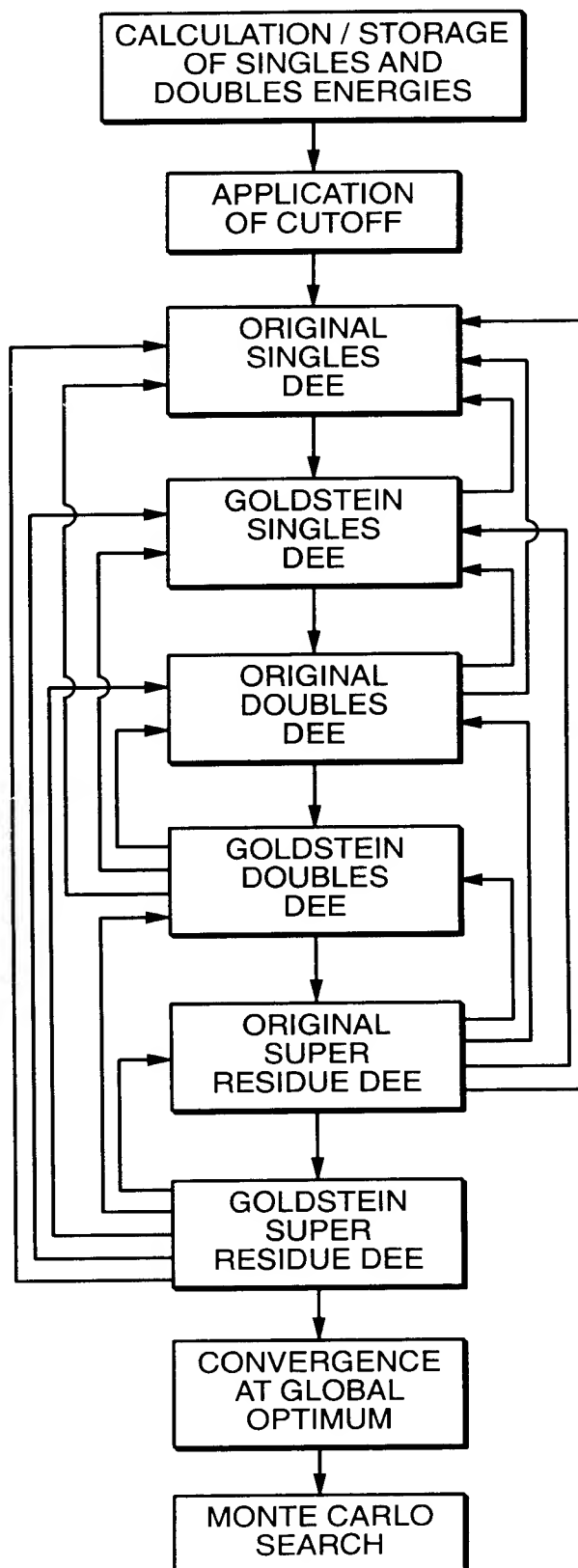
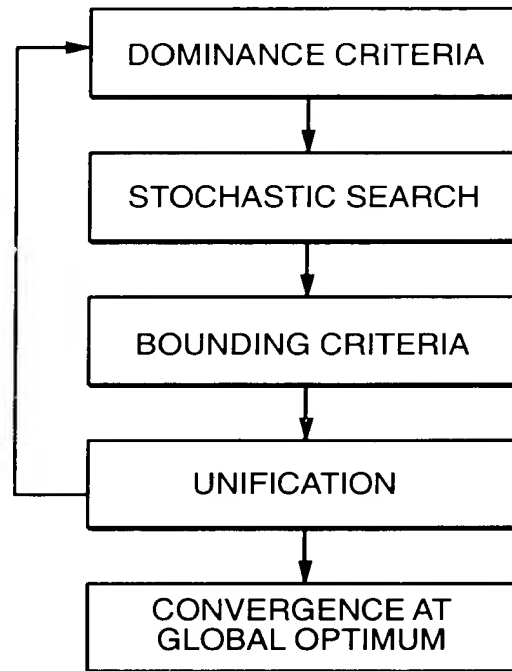
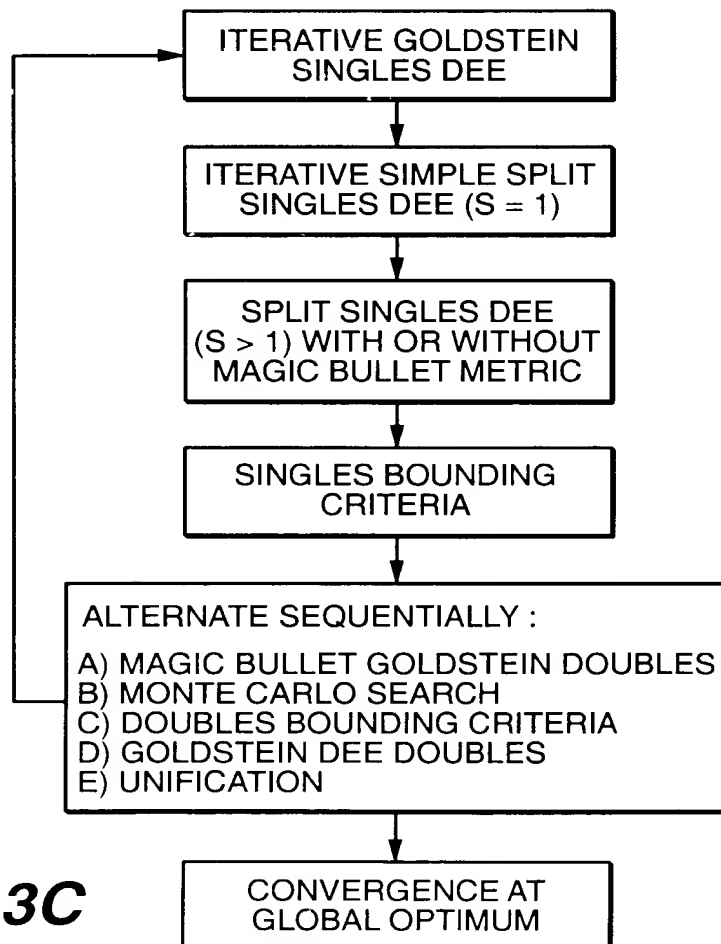
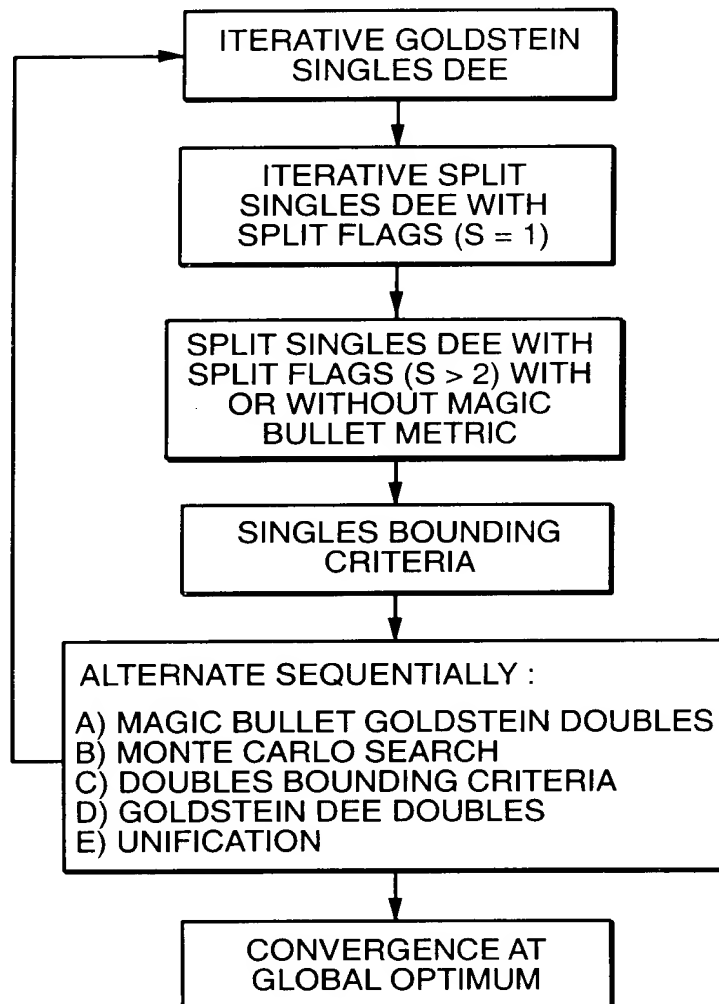
**FIG. 1**

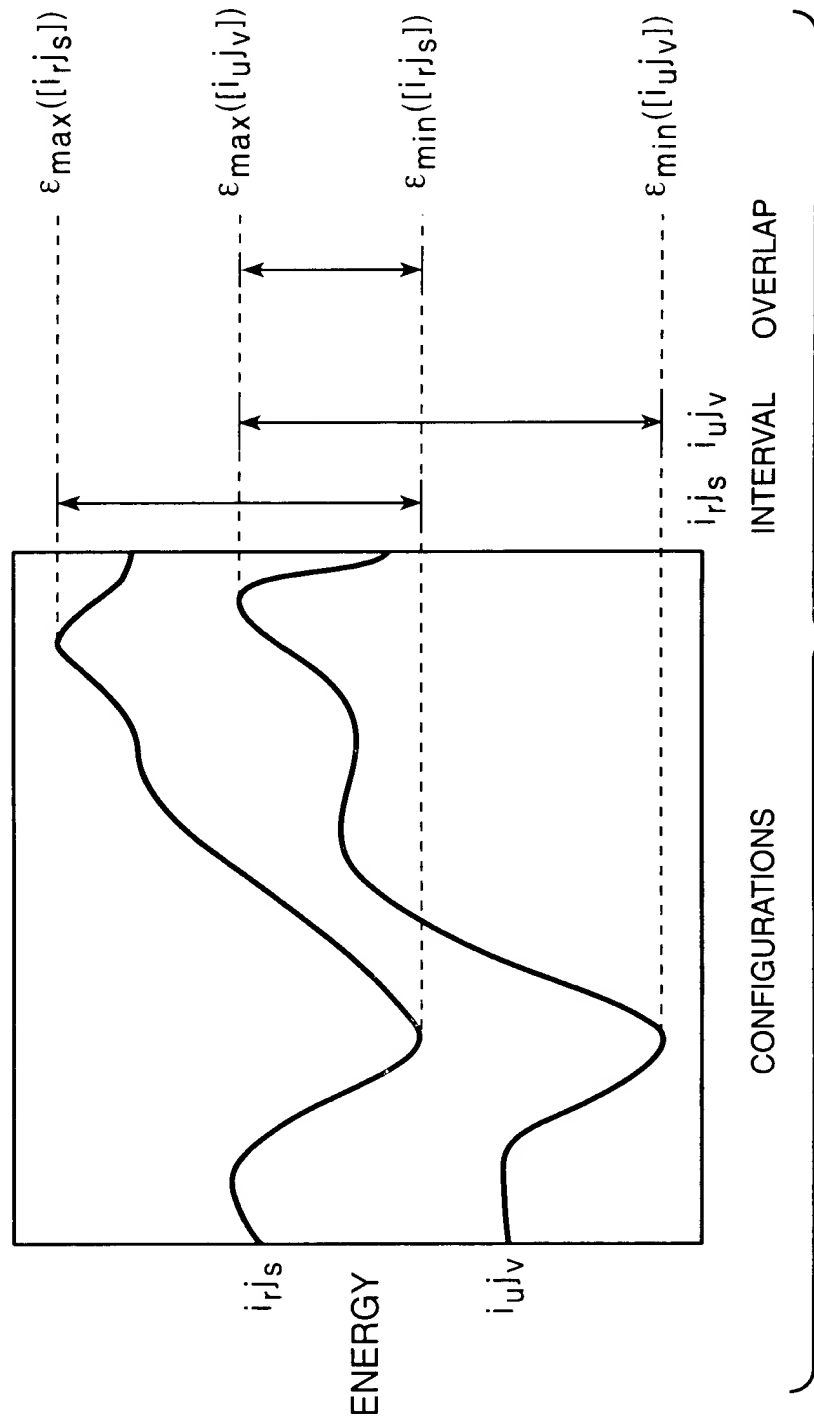
**FIG. 2****FIG. 3A**

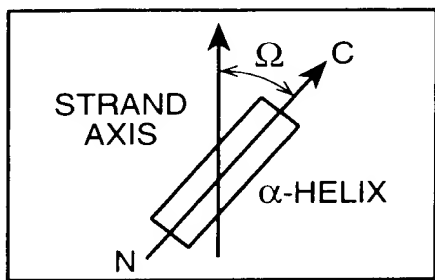
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**FIG. 3B****FIG. 3C**

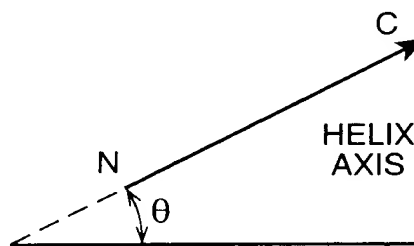
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**FIG.\_3D**

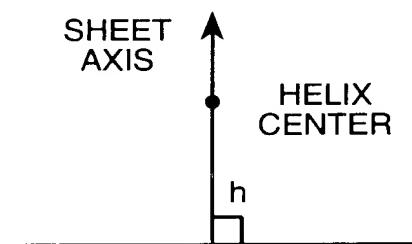
**FIG..4**



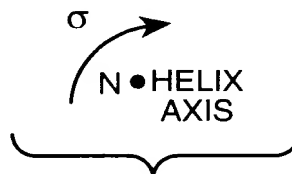
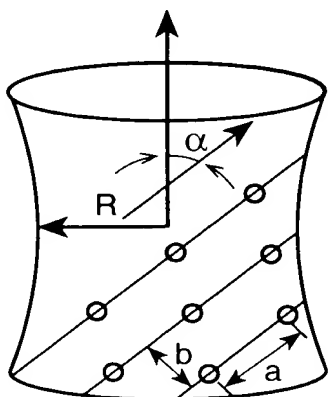
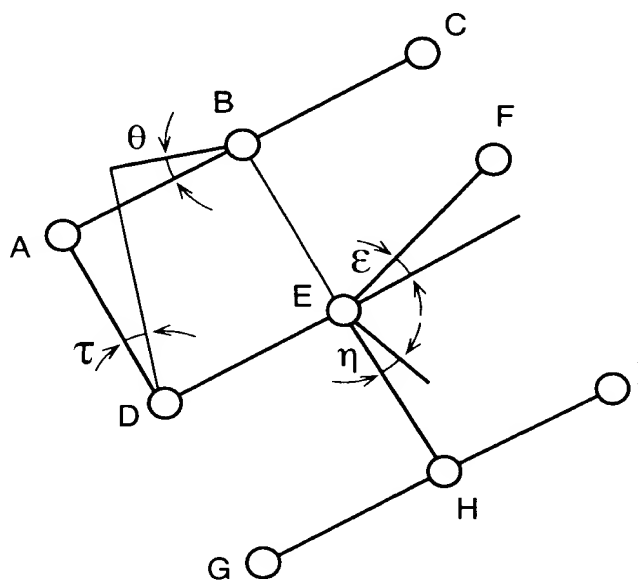
SHEET PLANE

**FIG.\_5A**

SHEET PLANE

**FIG.\_5B**

SHEET PLANE

**FIG.\_5C****FIG.\_5D****FIG.\_6A****FIG.\_6B**

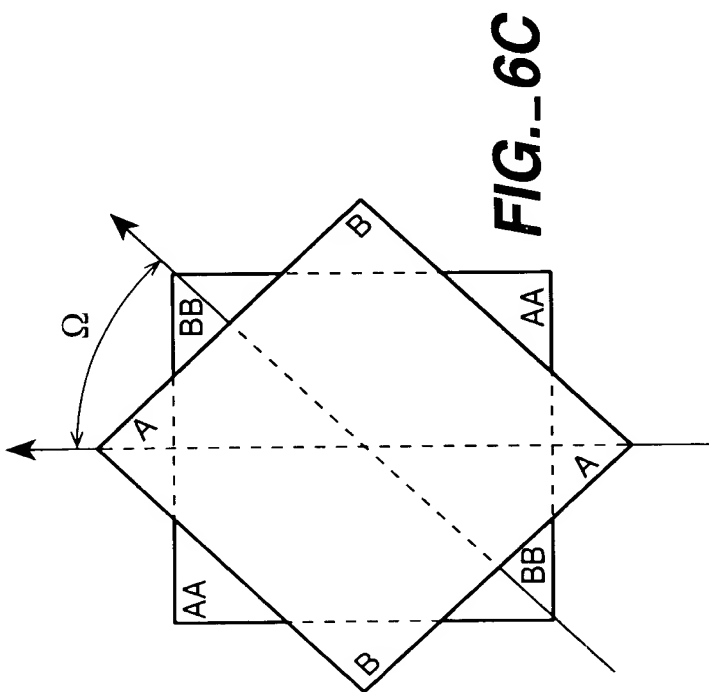


FIG. 6C

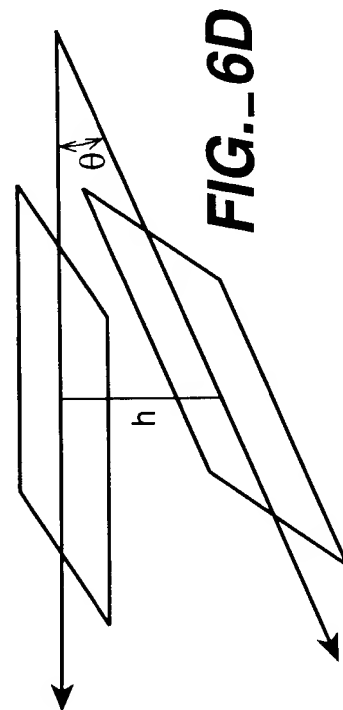


FIG. 6D

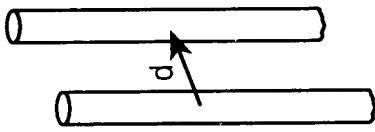


FIG. 7A

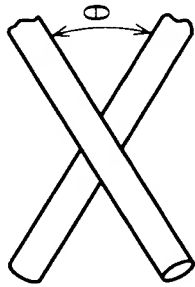


FIG. 7B



FIG. 7C

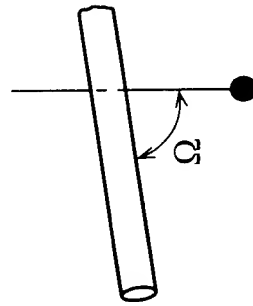
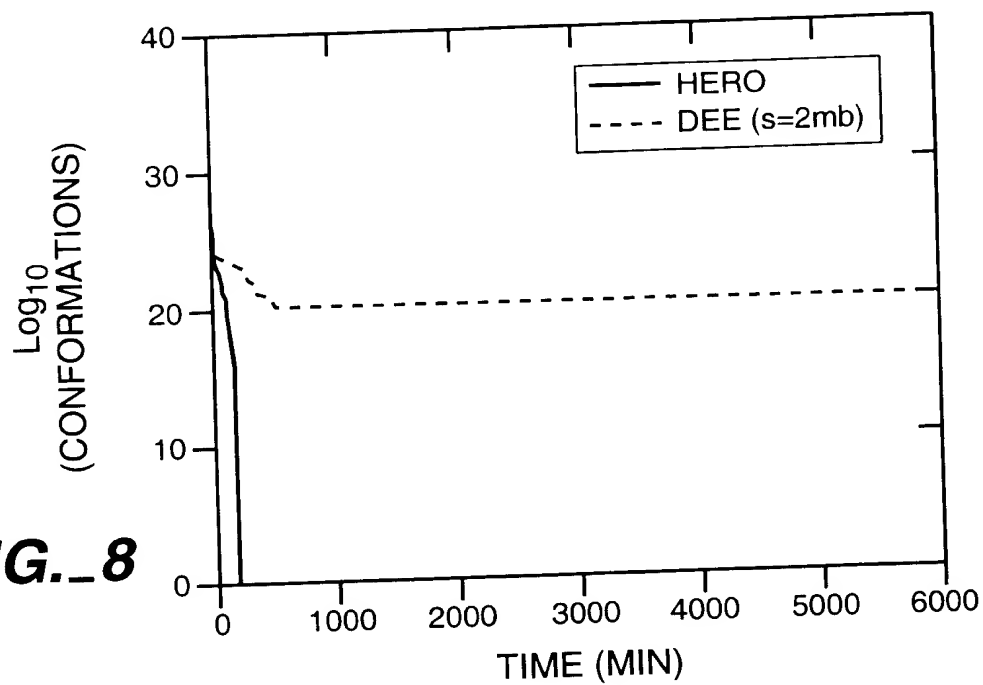
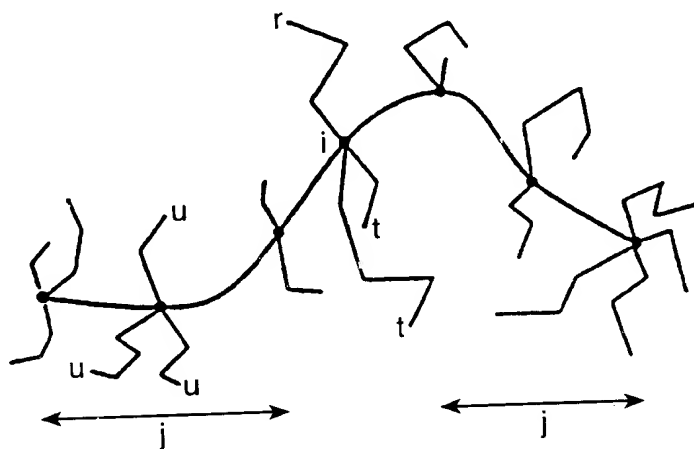
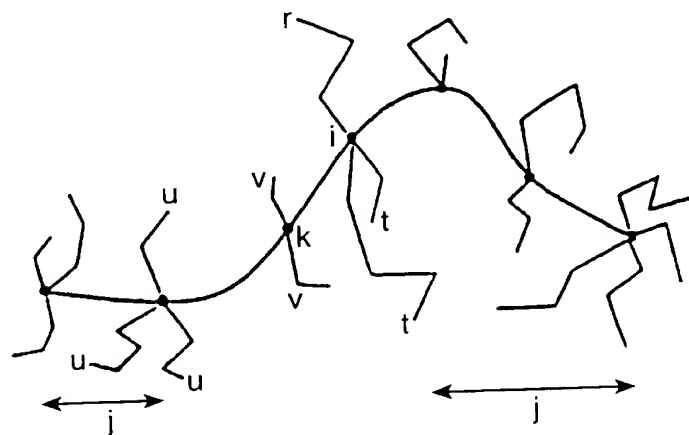
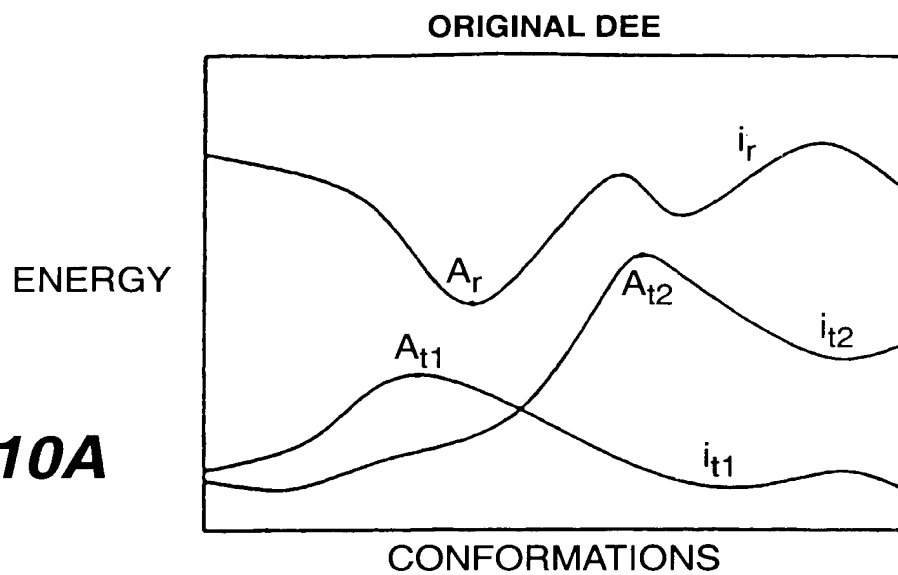
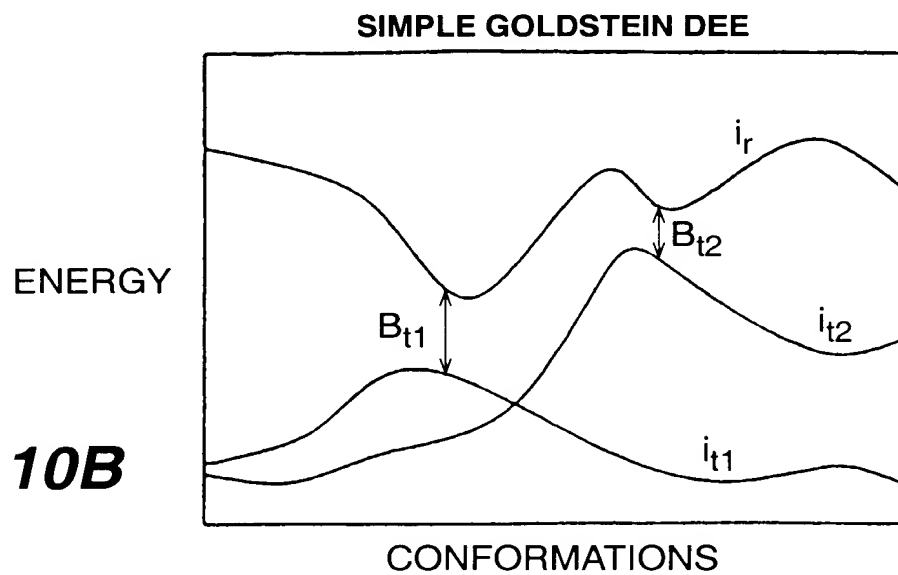


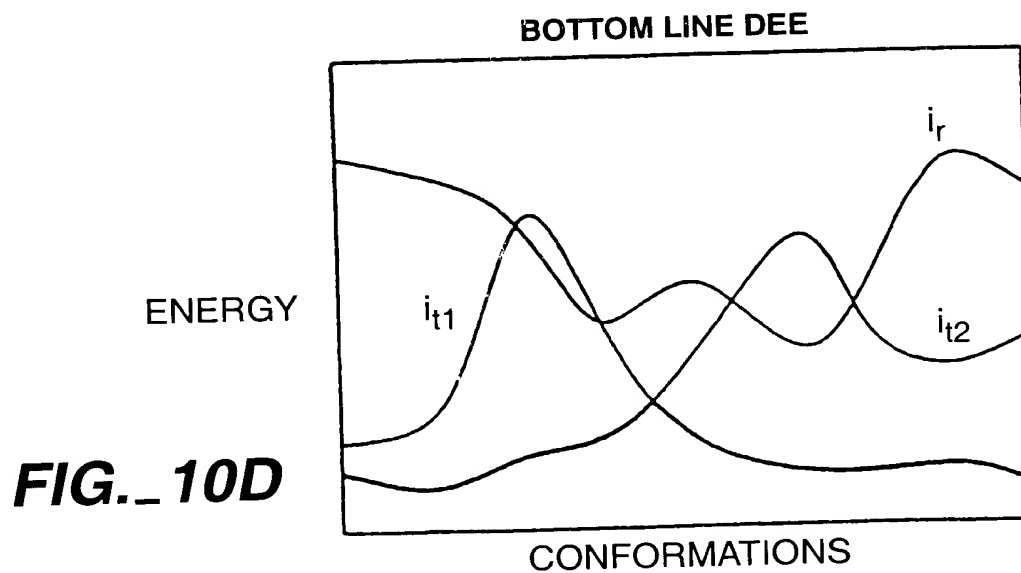
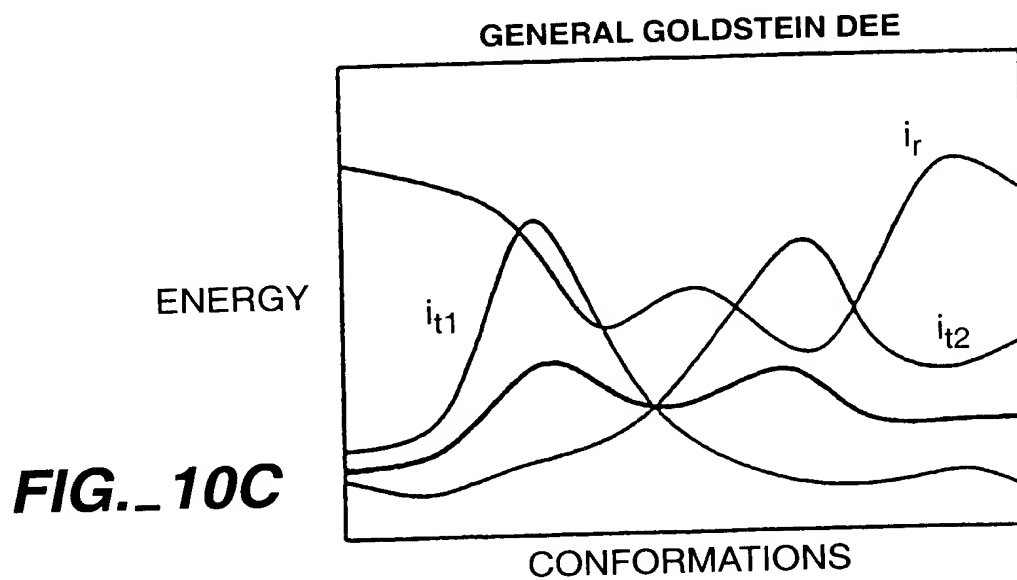
FIG. 7D

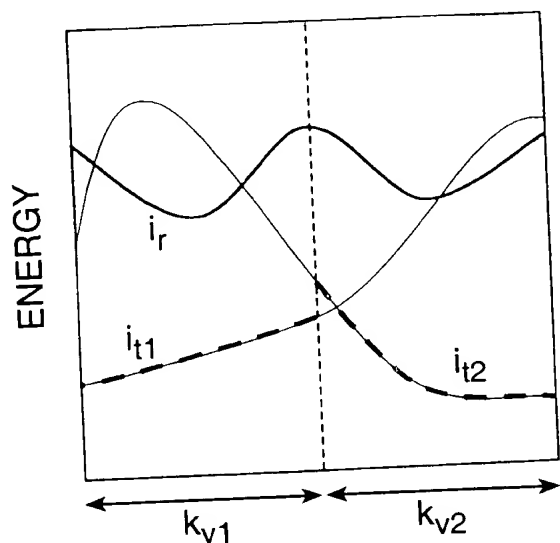
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**FIG.\_8****FIG.\_9A****FIG.\_9B**

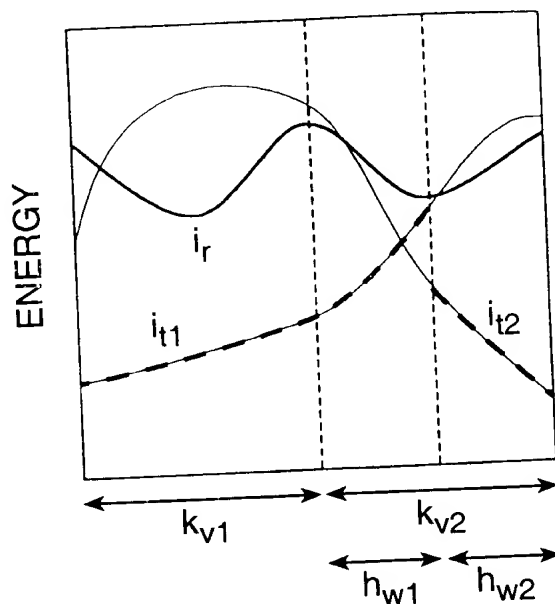


**FIG.\_10A****FIG.\_10B**

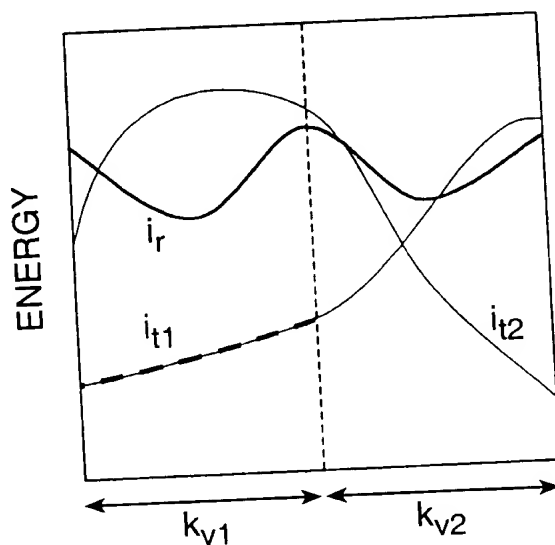




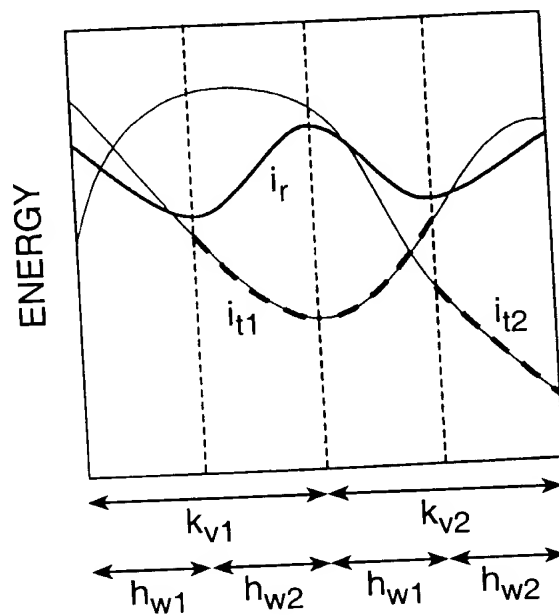
CONFORMATIONS

**FIG. 11A**

CONFORMATIONS

**FIG. 11B**

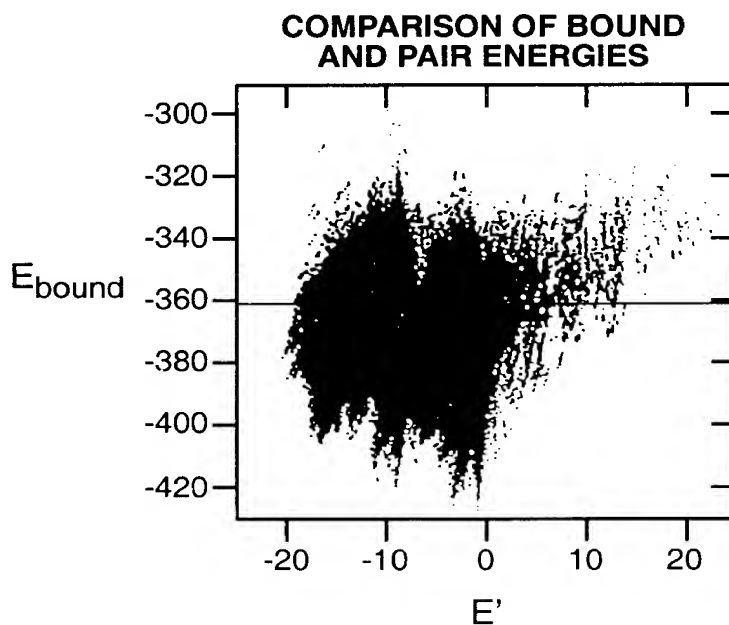
CONFORMATIONS

**FIG. 11C**

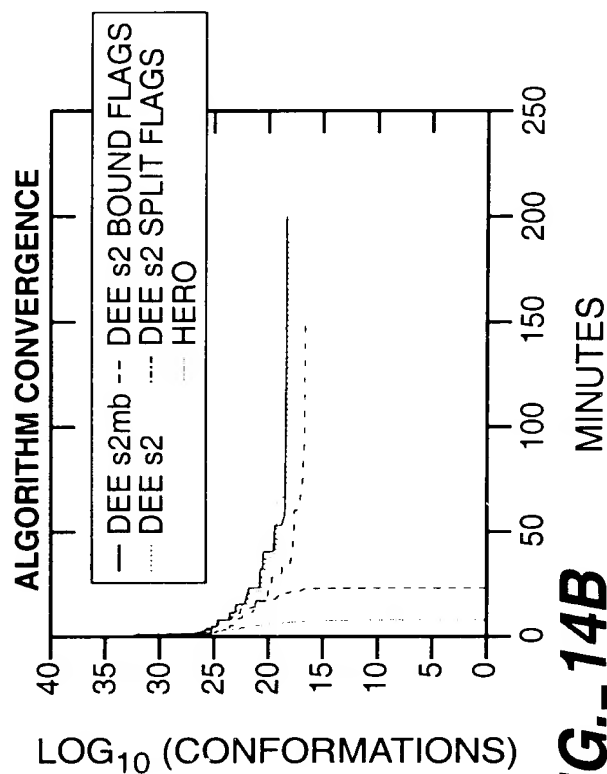
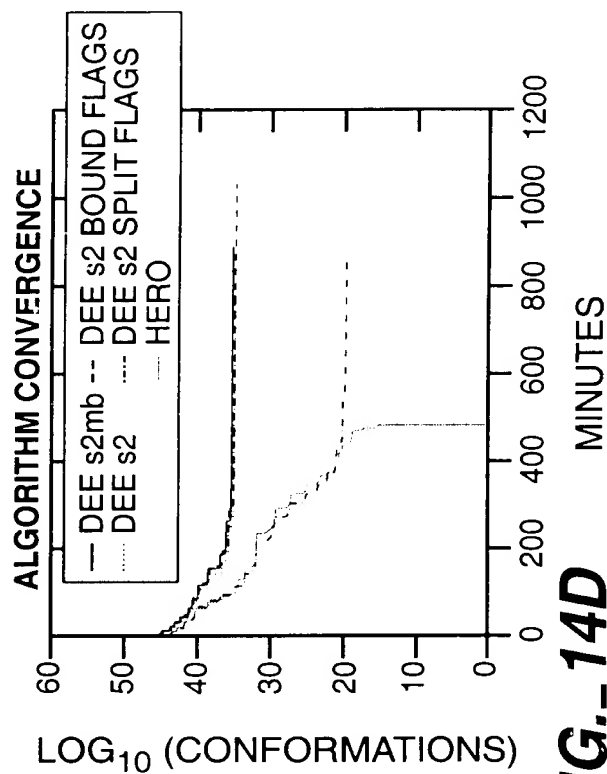
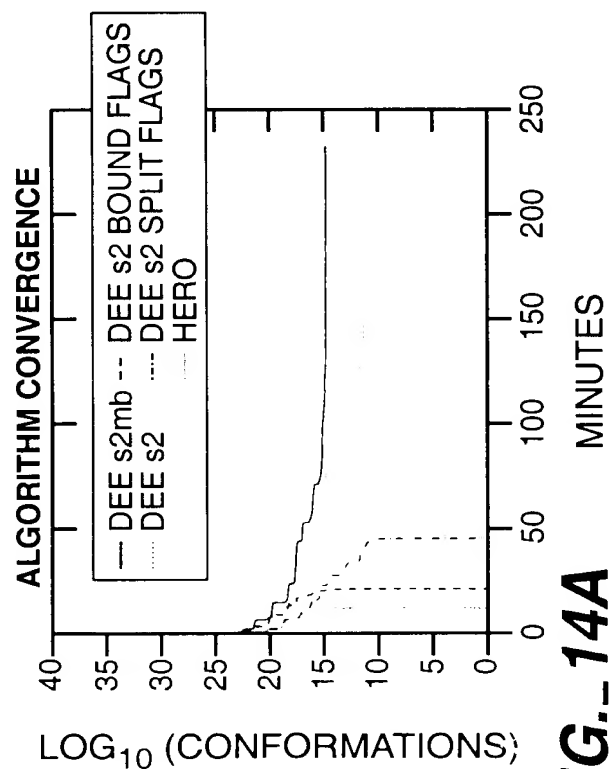
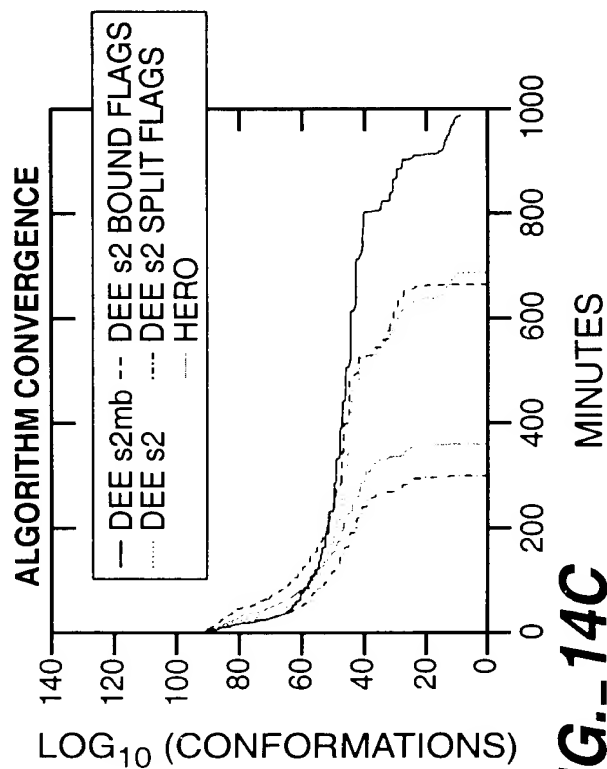
CONFORMATIONS

**FIG. 11D**

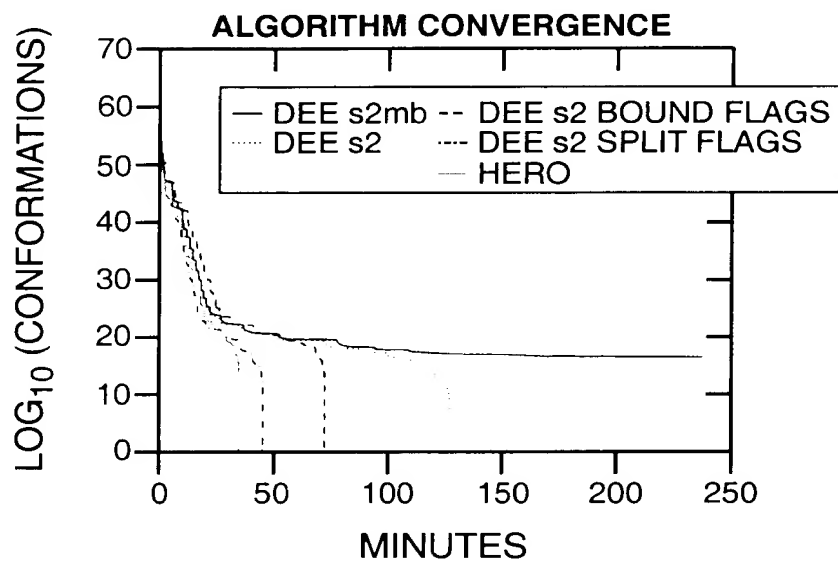
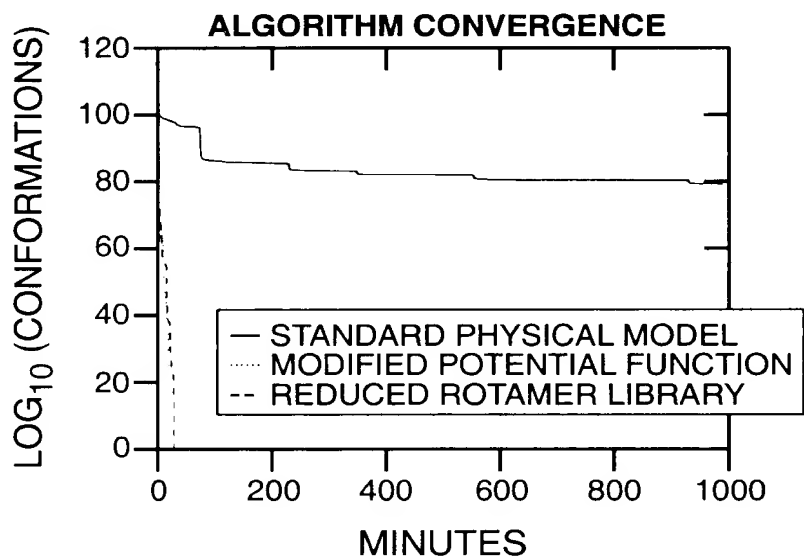
METHOD	ITERATION COMPLEXITY	FLAG ATTEMPTS PER ROTAMER PAIR
FULL GOLDSTEIN DOUBLES	$O(n^5p^3)$	$O(n^2)$
MAGIC BULLET GOLDSTEIN DOUBLES	$O(n^3p^3)$	1
SPLIT FLAGS (s=1)	$O(n^3p^2)$	$O(n)$
SPLIT FLAGS (s=2)	$O(n^4p^3)$	$O(n)$

**FIG.\_12****FIG.\_13**

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**FIG. 14B****FIG. 14D****FIG. 14A****FIG. 14C**

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**FIG. 14E****FIG. 15**